AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

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BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

April 1958

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APRIL 1958

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20·30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	57.0	59.8	61.2	59.3	31.6	16.1	25.4	20.7	17.6	21.2
2	61.8	62.5	63.7	62.7	20.5	14.3	17.5	18.8	16.0	17.4
3	64.7	64.2	64.4	64.4	20.6	14.0	17.8	20.0	15.5	17.8
4	64.4	62.2	62.9	63.2	22.2	14.6	17.4	21.6	16.0	18.3
5	62.6	62.2	61.6	62.1	21.3	15.2	18.0	21.0	16.9	18.6
6	59.8	58.3	56.8	58.3	22.3	17.2	19.0	19.5	19.0	19.2
7	56.7	57.2	57.3	57.1	24.2	15.4	21 2	23.2	17.5	20.6
8	59.9	59.3	59.4	59.5	21.8	14.5	18.8	21.4	16.6	18.9
9	59.1	56.2	55.6	57.0	22.0	15.6	19.8	21.6	17.8	19.7
10	57.4	58.7	59 0	58.4	22.0	15.1	19.1	20.8	18.0	19.3
11	61.1	61.5	63.4	62.0	21.2	14.7	18.2	21.0	16.4	18.5
12	65.1	64.7	64.6	64.8	21.6	13.5	17.5	20.6	15.0	17.7
13	64.9	63.8	63.6	64.1	21.8	15.5	18.6	20.5	17.0	18.7
14	61.7	60.4	60.2	60.8	23.2	18.2	22.0	22.0	18.4	20.8
15	58.3	57.5	56.9	57.6	23.3	18.5	20.2	20.3	23.2	21.2
16	57.3	57.2	56.0	56.8	24.9	19.1	22.5	23.4	20.6	22.2
17	56.2	57.5	58.9	57.5	27.2	16.6	21.6	20.3	18.4	20.1
18	61.3	58.8	57.3	59.1	22.6	18.5	19.4	21.8	18.9	20.0
19	49.6	56.8	59.0	55.1	30.9	16.0	23.4	20.5	17.5	20.5
20	60.2	60.1	59.7	60.0	21.5	12.5	18.0	19.0	15.0	17.3
21	59.8	60.8	63.8	61.5	19.6	13.4	13.6	15.5	15.0	14.7
22	65.5	66.0	67.3	66.3	22.0	18.7	19.0	21.6	15.9	18.8
23	67.3	67 0	65.8	66.7	21.9	15.7	19.2	21.4	17.4	19.3
24	64.1	63.1	61.9	63.0	25.4	18.5	22.2	23.5	21.8	22.5
25	59.5	57.9	58.5	58.6	29.8	18.2	25.2	28.8	19.5	24.2
26	58.9	58.4	59.5	58.9	25.6	19.0	22.7	24.0	19.6	22.1
27	59.1	59.0	58.5	58.9	25.8	18.5	23.4	24.4	20.5	22.8
28	58.9	58.7	58.7	58.8	25.0	16.1	21.2	24.4	18.4	21.4
29	58.2	58.2	59.3	58.6	22.9	15.7	19.8	22.4	17.5	19.9
30	60.2	60.6	61.5	60.8	23.2	15.6	20.7	22.7	17.4	20.3
31										
	60.35	60.29	60.54	60.40	23.60	16.15	20.08	21.53	17.81	19.80

Barometer, range for month 767.3 mm. — 749.6 mm.
„ 71-yr. average for month 760.03 mm.
Thermometer, range for month 31.6°C — 12.5°C
„ 71-yr. average for month 19.10°C
Rain total for month 18.40 mm.
„ 71-yr average for month 55.16 mm.
„ Total, Sept. 1st. to end of month 852.90 mm.
„ 71-yr average. Sept. 1st. to end of month 870.00 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.9	18.3	16.8	16.3	43	75	84	67	6.1	452	
2	15.0	14.7	14.3	14.7	75	68	79	74	3.0	256	
3	13.6	15.4	16.4	15.1	67	66	93	75	6.7	253	
4	15.4	15.3	14.3	15.0	77	60	79	72	8.1	301	
5	13.1	17.2	16.7	15.7	64	70	87	74	9.5	414	
6	16.5	17.7	15.8	16.7	76	78	72	75	7.3	455	
7	12.9	17.3	17.4	15.9	51	61	87	66	9.7	370	
8	16.0	16.3	14 9	15.7	74	63	80	72	8.8	332	
9	17.1	18.3	16.6	17.3	75	71	82	76	8.9	381	
10	16.6	17.2	16.5	16.8	76	70	80	75	7.1	484	
11	10.5	10.7	11.1	10.8	49	44	59	51	9.6	315	
12	9.4	11.1	10.8	10.4	46	46	63	52	10.6	275	
13	13.0	15.6	15.3	14.6	61	64	08	68	10.5	377	
14	15.8	18.7	18.2	17.6	60	71	86	72	6.2	274	
15	15.6	18.2	12.5	15.4	66	76	44	62	2.0	314	
16	18.9	16.4	16.9	17.4	70	56	70	65	7.0	563	
17	18.6	18.2	16.2	17.7	72	76	76	75	1.0	377	
18	17.0	18.9	16.0	17.3	76	72	73	74	3.7	380	
19	16.8	15.6	11.4	14.6	58	64	56	59	3.8	875	
20	13 7	14.6	14.2	14.2	67	67	84	73	8.1	595	3.15
21	13 0	13.8	13.3	13.4	85	79	79	81	6.9	314	15.25
22	13.8	14.6	12.8	13.7	63	57	70	63	12.2	211	
23	10.8	15.1	16.3	14.1	48	59	82	63	12.3	478	
24	17.2	19.9	11.8	16.3	64	69	45	59	12.5	304	
25	11.8	8.3	17.9	12.7	38	22	79	46	11.6	174	
26	16.4	15.8	17.9	16.7	60	53	79	64	11.8	315	
27	18.6	16.4	14.6	16.5	64	53	60	59	10.4	319	
28	18.1	13.9	16.7	16.2	72	45	78	65	10.3	307	
29	13.5	14.4	14.1	14.0	59	52	70	60	11.8	357	
30	14.6	14.7	14.0	14.4	60	53	70	61	10.5	270	
31											
	14.91	15.75	15.06	15.24	63.9	62.0	74.2	66.6	8.27	369.73	0.61

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10 ✓				Beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10ci	10ci	10st	10.0	4sw	3sw	3sw	light	H.D.p.m
2	10st	9st	6ci-st	8.3	2sw	3sw	2w	,,	D.p.m
3	10ci	10ci	4ci	8.0	1sw	1w	2w	,,	
4	9cu-st	0	8ci-st	5.7	1w	2w	2sw	,,	D.a.m.p.m
5	0	0	4ci	1.3	2n	2ne	2ne	,,	D.a.m.p.m
6	1ci	10cu-st	5ci	5.3	2nw	3ne	1ne	light	D.a.m
7	0	0	0	0.0	2sw	3sw	1sw	,,	D.p.m
8	0	3ci-st	10cu-st	4.3	3sw	3sw	1sw	,,	D.a.m.p.m
9	10ci	0	0	3.3	2ne	3ne	2ne	,,	D.a.m
10	1ci	10ci-st	10cu-st	7.0	2sw	2sw	2sw	,,	D.a.m.p.m
11	5cu-st	1cu	9cu-st	5.0	2sw	2sw	1sw	light	
12	3cu	3ci	0	2.0	2sw	2w	1nw	,,	
13	0	4ci	0	1.3	3ne	3ne	3ne	,,	D.p.m
14	10ci	10ci	3ci	7.7	1ne	1e	2ne	,,	D.a.m.p.m
15	10st	10st	4ci	8.0	2ne	3ne	1ne	,,	Sirocco
16	0	10ci-st	10st	6.7	2ne	2ne	3ne	light	H.p.m
17	10st	10st	10st	10.0	2ne	3ne	2ne	,,	D.p.m
18	10st	10ci-st	7st	9.0	1ne	1e	3ne	,,	
19	10st	7st	8cu-st	8.3	5sw	4sw	4sw	sligh	Sirocco H.a.mp.m.
20	9cu-st	10cu-st	7cu-st	8.7	3sw	3sw	3w	light	
21	10cu-st	10st	7ci-st	9.0	2s	3w	2sw	light	
22	0	0	0	0.0	2sw	2w	2w	,,	D. p.m
23	0	0	0	0.0	2n	3ne	3ne	,,	D.a.m.p.m
24	1ci	5ci	0	2.0	1e	2ne	2ne	,,	D.a.m
25	0	0	0	0.0	2sw	2ne	2ne	,,	D.p.m
26	8ci	10ci	5ci	7.7	2nw	2ne	3ne	light	D. p.m. Lunar Hallo
27	4ci	5cu-ci	6cu-ci	5.0	2ne	2e	1e	,,	
28	4ci	0	0	1.3	2nw	2sw	1sw	,,	D.p.m
29	8st	1st	1st	3.7	3sw	3sw	1sw	,,	
30	3cu-st	4st	1cu	2.7	2sw	2sw	2sw	,,	
31									
	mean			5.04					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	8	1	0	1	14	1	3	0	30
14:30	0	11	3	0	0	11	5	0	0	30
20:30	0	13	0	0	1	11	4	1	0	30
Total	2	32	4	0	2	36	10	4	0	90

Number of days with rain 2, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 6.23
Time of reading minus 2 hours equals G.C.T